

Claims

1. A method for determining a dependency between a
first and a second system resource performance
5 characteristic in a computing system, comprising the
steps of:
 providing data values for the first performance
characteristic and the second performance
characteristic of the computing system; and
10 applying a mathematical algorithm to derive a
correlation value between the first and second
characteristics,
 wherein the correlation value provides and
indication of the relative association between the
15 second characteristic and the first characteristic.
2. A method in accordance with claim 1, wherein
the mathematical algorithm is the Pearson correlation
coefficient equation.
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3. A method of determining sub-optimal performance
in a computing system, comprising the steps of,
 determining a dependency between a first and a
second system resource performance characteristic in
25 a computing system, the step of determining the
dependency including the steps of:
 providing data values for the first performance
characteristic and the second performance
characteristic of the computing system; and
30 applying a mathematical algorithm to derive a
correlation value between the first and second
characteristics,
 wherein the correlation value provides an
indication of the relative association between the
35 second characteristic and the first characteristic.
4. A system for analysing a computing system

comprising determination means arranged to determine a dependency between a first and a second system resource performance characteristic in a computing system, the determination means further comprising:

5 data gathering means arranged to provide data values for the first performance characteristic and the second performance characteristic of the computing system; and

10 computational means arranged to apply a mathematical algorithm to derive a correlation value between the first and second characteristics,

 wherein the correlation value provides an indication of the relative association between the second characteristic and the first characteristic.

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5. A computer program arranged, when loaded on a computing system, to implement the method in accordance with claim 1.

20 6. A computer readable medium providing a computer program in accordance with claim 5.

7. A method of analysing a computer system to determine the cause of an intermittent system
25 overload, comprising the steps of,

 providing data values for the first performance characteristic and the second performance characteristic of the computing system; and

30 applying a mathematical algorithm to derive a correlation value between the first and second characteristics,

 wherein the correlation value provides and indication of the relative association between the second characteristic and the first characteristic.

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8. A method of ameliorating the need to monitor multiple system characteristics by determining a

subset of performance characteristics which particularly impact on the performance of a given computing system, comprising the steps of,

5 providing data values for the first performance characteristic and the second performance characteristic of the computing system; and

 applying a mathematical algorithm to derive a correlation value between the first and second characteristics,

10 wherein the correlation value provides and indication of the relative association between the second characteristic and the first characteristic.

9. A method of analysing a computing system to
15 determine problematic characteristics of the computing system to reduce the number of characteristics which require further analysis, comprising the steps of,

 providing data values for the first performance
20 characteristic and the second performance characteristic of the computing system; and

 applying a mathematical algorithm to derive a correlation value between the first and second characteristics,

25 wherein the correlation value provides and indication of the relative association between the second characteristic and the first characteristic.